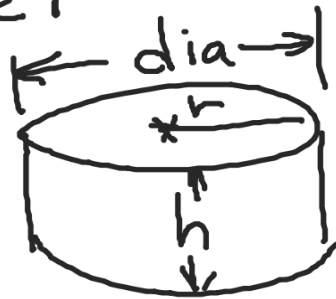


Volume $V = \pi r^2 h$
Cylinder



diameter

$$r = \frac{\text{dia}}{2}$$

1) hypothesis
which has the greatest
density to the least

QUARTER

NICKEL

DISC

SPHERE

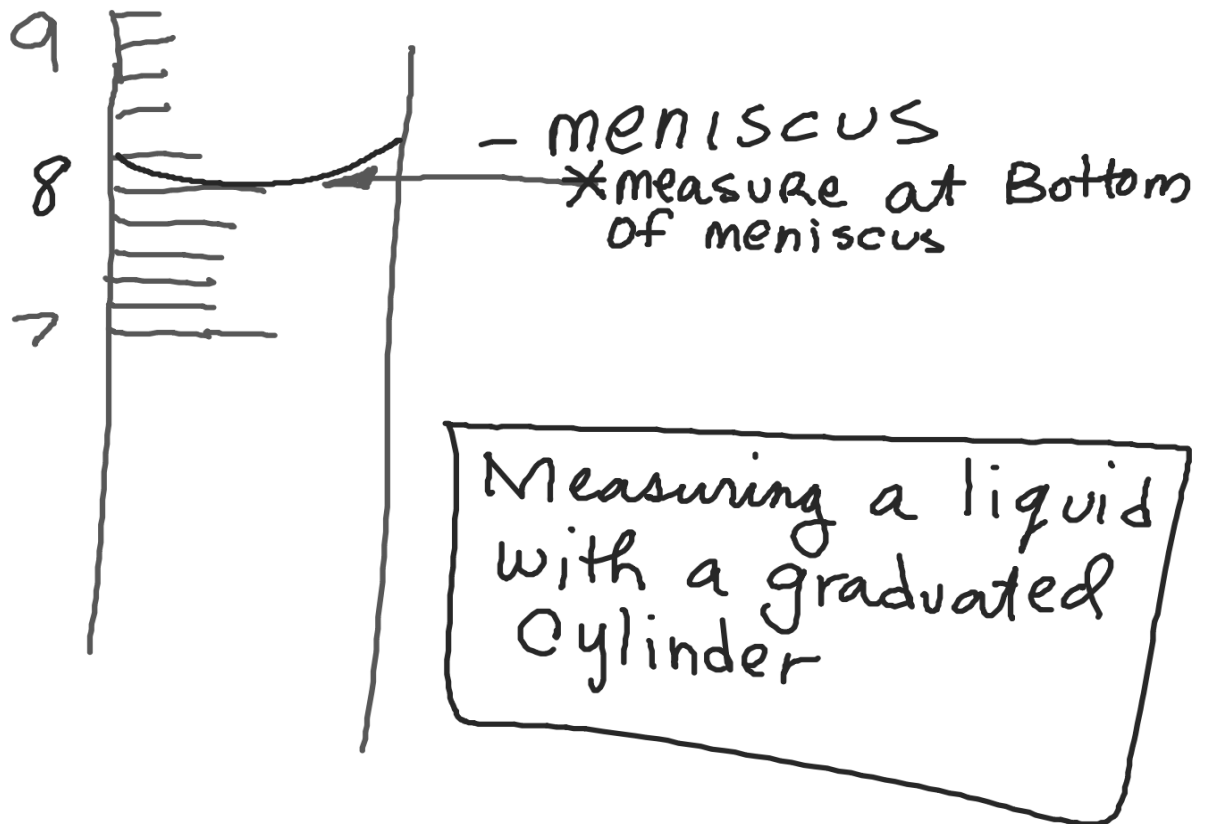
1 greatest density

2 next

3 next

4 least dense

ITEM	DIA (cm)	height (cm)	Volume (cm ³)	mass (g)	Density (g/cm ³)
DISK	d=2.7	.7	4.01	5.1 4.95	1.27
	r=1.35			5.1 5.15	1.25
				5.02 4.75	
Sphere	d=1.7	—	2.57	2.4 2.2	.93
	r=.85			2.2 2.2	.88
Nickel	d=2.1	.2	.69	5.1 5.0	7.32
	r=1.05			5.05 4.9	7.39
				5.05 5.0	
QUARTER	d=2.6	.2	1.06	5.8 5.65	5.28
	r=1.3			5.58 5.6	5.26
				5.7 5.43	

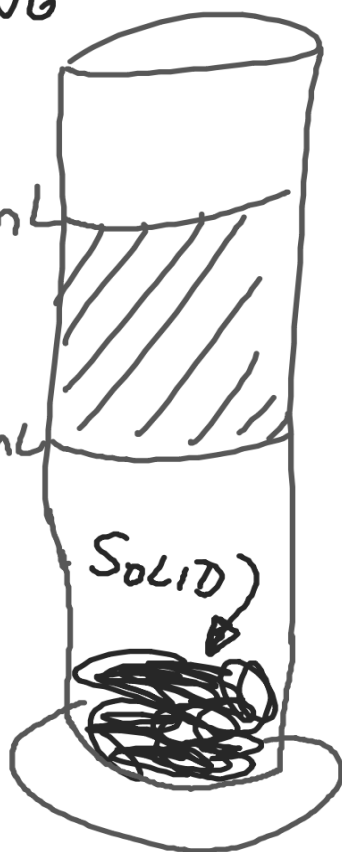


MEASURING
AN ODD
Shaped
SOLID

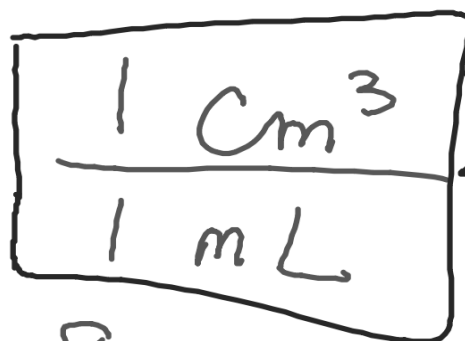
FINAL
VOLUME

57 mL

INITIAL
VOLUME

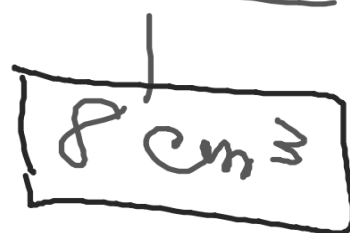


Difference is the
VOLUME of SOLID
 $65\text{ mL} - 57\text{ mL} = 8\text{ mL}$



NOTE

8 mL



$\times \frac{1\text{ cm}^3}{1\text{ mL}}$

Solid Volume

